

Aeronautics Educator Guide			
2005 Science			
Content Standards			
South Dakota Science			
Grade 2			
Activity/Lesson	State	Standards	
Air Engines (12-16)	SD	SCI.2.1.2.a	Use scientific thinking skills of observing, communicating, classifying, and comparing.
Air Engines (12-16)	SD	SCI.2.1.2.c	Make predictions based on observations rather than random guesses.
Making Time Fly (80-86)	SD	SCI.2.5.2.b	Explain how scientific findings have generated solutions to various environmental and social concerns.
Where is North? The Compass Can Tell Us (87-90)	SD	SCI.2.1.2.c	Make predictions based on observations rather than random guesses.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	SD	SCI.2.2.E.1.1.a	Measure and record weather data such as high and low temperature, wind, precipitation, clouds using tools such as a rain gauge, anemometer, wind sock, etc.
Dunked Napkin (17-22)	SD	SCI.2.1.2.c	Make predictions based on observations rather than random guesses.
Paper Bag Mask (23-28)	SD	SCI.2.1.2.b	Measure length, volume, mass, and temperature in appropriate units.
Paper Bag Mask (23-28)	SD	SCI.2.1.2.c	Make predictions based on observations rather than random guesses.
Wind in Your Socks) (29-35)	SD	SCI.2.1.2.a	Use scientific thinking skills of observing, communicating, classifying, and comparing.
Right Flight (52-59)	SD	SCI.2.1.2.c	Make predictions based on observations rather than random guesses.
Delta Wing Glider (60-68)	SD	SCI.2.1.2.c	Make predictions based on observations rather than random guesses.
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Grade 3			
Activity/Lesson	State	Standards	
Air Engines (12-16)	SD	SCI.3.1.2.b	Make observations.
Rotor Motor (69-75)	SD	SCI.3.1.1.b	Explain science as a process involving asking and answering questions.
Making Time Fly (80-86)	SD	SCI.3.1.2.i	Communicate results.
Where is North? The Compass Can Tell Us (87-90)	SD	SCI.3.1.1.b	Explain science as a process involving asking and answering questions.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	SD	SCI.3.1.2.g	Use appropriate metric measurement to collect, record, chart, and/or graph data.
Dunked Napkin (17-22)	SD	SCI.3.1.1.b	Explain science as a process involving asking and answering questions.

Dunked Napkin (17-22)	SD	SCI.3.1.2.a	Use investigations in science to acquire knowledge.
Dunked Napkin (17-22)	SD	SCI.3.1.2.e	Plan investigations.
Dunked Napkin (17-22)	SD	SCI.3.1.2.g	Use appropriate metric measurement to collect, record, chart, and/or graph data.
Dunked Napkin (17-22)	SD	SCI.3.1.2.h	Interpret data.
Paper Bag Mask (23-28)	SD	SCI.3.1.1.b	Explain science as a process involving asking and answering questions.
Wind in Your Socks) (29-35)	SD	SCI.3.1.2.g	Use appropriate metric measurement to collect, record, chart, and/or graph data.
Bag Balloons (40-43)	SD	SCI.3.1.1.b	Explain science as a process involving asking and answering questions.
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2005 Science			
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Grade 4			
Activity/Lesson	State	Standards	
Air Engines (12-16)	SD	SCI.4.1.2.b	Make observations.
Making Time Fly (80-86)	SD	SCI.4.1.2.j	Communicate results.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	SD	SCI.4.1.2.h	Use appropriate metric measurement to collect, record, chart, and/or graph data.
We Can Fly, You and I: Interdisciplinary Learning (107-108)	SD	SCI.4.4.E.1.2.b	Explain the use of weather instruments.
Dunked Napkin (17-22)	SD	SCI.4.1.1.b	Describe science as the process of asking and answering questions and comparing the results to what is already known.
Dunked Napkin (17-22)	SD	SCI.4.1.2.a	Use investigations in science to acquire knowledge.
Dunked Napkin (17-22)	SD	SCI.4.1.2.c	Make predictions.
Dunked Napkin (17-22)	SD	SCI.4.1.2.d	Ask questions.
Dunked Napkin (17-22)	SD	SCI.4.1.2.e	Form a simple hypothesis.
Dunked Napkin (17-22)	SD	SCI.4.1.2.f	Plan investigations.
Dunked Napkin (17-22)	SD	SCI.4.1.2.h	Use appropriate metric measurement to collect, record, chart, and/or graph data.
Dunked Napkin (17-22)	SD	SCI.4.1.2.i	Interpret data.
Paper Bag Mask (23-28)	SD	SCI.4.1.1.b	Describe science as the process of asking and answering questions and comparing the results to what is already known.
Paper Bag Mask (23-28)	SD	SCI.4.1.2.c	Make predictions.

Wind in Your Socks) (29-35)	SD	SCI.4.1.2.b	Make observations.
Wind in Your Socks) (29-35)	SD	SCI.4.1.2.d	Ask questions.
Wind in Your Socks) (29-35)	SD	SCI.4.1.2.h	Use appropriate metric measurement to collect, record, chart, and/or graph data.
			Describe science as the process of asking and answering questions and comparing the results to what is already known.
Bag Balloons (40-43)	SD	SCI.4.1.1.b	
Bag Balloons (40-43)	SD	SCI.4.1.2.d	Ask questions.
Right Flight (52-59)	SD	SCI.4.1.2.c	Make predictions.
Delta Wing Glider (60-68)	SD	SCI.4.1.2.c	Make predictions.